

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/01

Date Received: 05/10/01

Project: Metro Self Monitor, PO# M65982

Date Extracted: 05/16/01

Date Analyzed: 05/16/01

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65982 105051-01	0.31	0.33	0.23	0.09 fb
Method Blank	<0.05	<0.05	<0.05	0.07

fb - The analyte indicated was found in the blank. Its presence may be due to laboratory contamination.

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QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 105025-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.34	0.31	15	0-20
Copper	mg/L (ppm)	0.36	0.31	9	0-20
Nickel	mg/L (ppm)	0.23	0.21	9	0-20
Zinc	mg/L (ppm)	0.06	0.05	18	0-20

Laboratory Code: 105025-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Lim 20)
Chromium	mg/L (ppm)	5	0.34	106	103	80-120	3
Copper	mg/L (ppm)	5	0.36	101	98	80-120	3
Nickel	mg/L (ppm)	10	0.23	107	105	80-120	2
Zinc	mg/L (ppm)	5	0.06	109	109	80-120	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	109	107	80-120	2
Copper	mg/L (ppm)	5	110	108	80-120	2
Nickel	mg/L (ppm)	10	110	109	80-120	1
Zinc	mg/L (ppm)	5	109	109	80-120	0

105051

SAMPLE CHAIN OF CUSTODY

KET 5-10-01 AD

Send Report To Bruce A. Thompson
 Company Alaskan Copper Works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8777 Fax # 206-382-9309

SAMPLERS (signature) <u>Bruce A. Thompson</u>	
PROJECT NAME/NO. <u>METRO Self Monitor</u>	PO # <u>M65982</u>
REMARKS	

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TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Ch. Cys. n/2w				
M65982	01	5/10/01	12:30	H2O	1							✓				

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Bruce A. Thompson</u>	<u>Bruce A. Thompson</u>	<u>ACW</u>	<u>5/10/01</u>	<u>1:54</u>
Received by: <u>Kate Trafton</u>	<u>Kate Trafton</u>	<u>FBI</u>	<u>5-10-01</u>	<u>1354</u>
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 17, 2001

DUPLICATE COPY

INVOICE #01ACU0517-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65982 - Results of testing requested by
Gerry Thompson for material submitted on May 10, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	<u>\$ 80.00</u>
Amount Due	\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 17, 2001

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 10, 2001 from your Metro Self Monitor, PO# M65982 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0517R.DOC